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| ARLEN L. OLSEN | | | BETIT, JACOB F | |
| SCHMEISER, 3 LEAR JET L | OLSEN & WATTS ANE | | ART UNIT | PAPER NUMBER |
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| LATHAM, NY | Y 12110 | | DATE MAILED: 05/18/2004 | |

Please find below and/or attached an Office communication concerning this application or proceeding.

4

| | Application No. | Applicant(s) | |
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| | 09/717,698 | CESANA ET AL. | 1 |
| Office Action Summary | Examiner | Art Unit | |
| | Jacob F. Betit | 2175 | |
| The MAILING DATE of this communication app Period for Reply | pears on the cover sheet w | vith the correspondence addres | 3S |
| A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). | 136(a). In no event, however, may a ly within the statutory minimum of th will apply and will expire SIX (6) MC e, cause the application to become A | reply be timely filed irty (30) days will be considered timely. INTHS from the mailing date of this commuNABANDONED (35 U.S.C. § 133). | unication. |
| Status | | | |
| 1) ⊠ Responsive to communication(s) filed on 26 № 2a) ☐ This action is FINAL. 2b) ⊠ This 3) ☐ Since this application is in condition for allowanclosed in accordance with the practice under № | s action is non-final. nce except for formal ma | • | erits is |
| Disposition of Claims | | | |
| 4) | wn from consideration. | | |
| Application Papers | | | |
| 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposite and accomposite accomposite and accomposite and accomposite and accomposite accomposite and accomposite and accomposite accomposite accomposite accomposite accomposite and accomposite accomp | epted or b) objected to drawing(s) be held in abeya tion is required if the drawin | ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1 | , , |
| Priority under 35 U.S.C. § 119 | | | |
| 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list | ts have been received. ts have been received in rity documents have bee u (PCT Rule 17.2(a)). | Application No n received in this National Star nt received. | Mull |
| Attachment(s) | | | AM RIMELL RY EXAMINEI |
| 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date | Paper No | Summary (PTO-413) o(s)/Mail Date Informal Patent Application (PTO-152 | |

DETAILED ACTION

Remarks

1. In response to communications filed on 26 March 2004, claims 1, 3, 6, 14, 18, 20-21, 26, and 31 are amended, claims 11 and 27-30 are canceled, and claims 32-36 are added per applicant's request. Claims 1-10, 12-26, and 31-36 are presently pending in the application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-2, 4-10, 12-16, 18-26, 31, 33, and 35-36 are rejected under 35 U.S.C. 102(b) as being anticipated by MacPherson (U.S. patent No. 5,858,500).

As to claim 1, <u>MacPherson</u> teaches a security enclosure (see abstract), comprising: an electronic assembly (see column 4, lines 24-38);

a tamper respondent wrap secured at least partially around the assembly, wherein the tamper respondent wrap comprises a plurality of layers, and wherein each layer of the wrap includes a plurality of electrically conductive lines or a plurality of electrically conductive ink traces (see column 4, line 51 through column 5, line 29); and

an extension cable electrically connecting the wrap to the assembly (see column 4, lines 43-46).

As to claim 2, <u>MacPherson</u> teaches wherein the electronic assembly comprises a cryptographic processor card (see column 4, lines 24-38).

As to claim 4, <u>MacPherson</u> teaches wherein the tamper respondent wrap further includes a plurality of bonding pads formed at a first end of the wrap (see column 5, lines 1-7, where "bonding pads" are read on "connectors").

As to claim 5, <u>MacPherson</u> teaches wherein the tamper respondent wrap further includes a system of resistors within each layer of the wrap (see column 4, line 51 through column 5, line 29).

As to claim 6, <u>MacPherson</u> teaches wherein each layer of the wrap comprises the ink traces, and wherein the system of resistors connect ink traces within each layer of the wrap to the bonding pads (see column 4, line 51 through column 5, line 29, where the "ink traces" are also used as the "system of resistors").

As to claim 7, <u>MacPherson</u> teaches wherein the extension cable further includes a plurality of interconnections at a first end of the extension cable (see figure 1, reference number

30, where it is inherent that interconnections are needed to connect the ribbon cable to the monitor).

As to claim 8, <u>MacPherson</u> teaches wherein the extension cable further includes a plurality of bonding pads at a second end of the extension cable (see figure 2, reference number 40).

As to claim 9, <u>MacPherson</u> teaches wherein wires connect the interconnections and the bonding pads of the extension cable (see column 4, lines 62-66).

As to claim 10, <u>MacPherson</u> teaches wherein a plurality of bonding pads on the wrap are bonded to a plurality of bonding pads on the extension cable (see column 5, lines 1-7).

As to claim 12, <u>MacPherson</u> teaches wherein the wrap at least partially covers the extension cable (see figure 2).

As to claim 13, <u>MacPherson</u> teaches wherein the extension cable comprises a flexible dielectric material (see column 4, line 63 through column 5, line 7).

As to claim 14, <u>MacPherson</u> teaches a security enclosure (see abstract), comprising: an electronic assembly (see column 4, lines 24-38);

an extension, having a first end inserted in the assembly, and a second end having at least one bonding pad thereon (see column 4, lines 43-46); and

a tamper respondent wrap at least partially surrounding the assembly, having at least one corresponding bonding pad, wherein the bonding pad of the extension is secured to the bonding pad of the wrap, wherein the tamper respondent wrap comprises a plurality of layers, and wherein each layer of the wrap includes a plurality of electrically conductive lines or a plurality of electrically conductive ink traces (see column 4, line 51 through column 5, line 29, where "at least on corresponding bonding pad" is read on "connectors").

As to claim 15, <u>MacPherson</u> teaches wherein the first end of the extension comprises at least one interconnection which forms an electrical connection between the assembly and the extension (see column 4, lines 51 through column 5, line 7).

As to claim 16, <u>MacPherson</u> teaches wherein the at least one interconnection is electrically connected to the at least one bonding pad of the extension via a wire (see column 4, lines 51 through column 5, line 7).

As to claim 18, <u>MacPherson</u> teaches wherein the wrap further includes a system of resistors connecting ink traces within the wrap to the bonding pads of the wrap (see column 4, line 51 through column 5, line 29, where the "ink traces" are also used as the "system of resistors").

As to claim 19, <u>MacPherson</u> teaches wherein the extension comprises a flexible cable (see column 4, line 63 through column 5, line 7).

As to claim 20, <u>MacPherson</u> teaches a security enclosure (see abstract), comprising: an electronic assembly (see column 4, lines 24-38); and

a tamper respondent wrap electrically connected to the assembly via an attachable extension, wherein the tamper respondent wrap comprises a plurality of layers, and wherein each layer of the wrap includes a plurality of electrically conductive lines or a plurality of electrically conductive ink traces (see column 4, line 51 through column 5, line 29).

As to claim 21, <u>MacPherson</u> teaches a security enclosure, comprising: an electronic assembly (see column 4, lines 24-38); and

a tamper respondent wrap electrically connected to the assembly via an attachable exension, wherein the attachable extension comprises a flexible extension cable (see column 4, line 51 through column 5, line 29).

As to claim 22, <u>MacPherson</u> teaches wherein the tamper respondent wrap comprises a plurality of bonding pads formed on an end thereof (see column 5, lines 1-7, where "bonding pads" are read on "connectors").

As to claim 23, <u>MacPherson</u> teaches wherein the extension comprises a plurality of bonding pads formed on a first end thereof (see figure 2, reference number 40).

As to claim 24, <u>MacPherson</u> teaches wherein the bonding pads of the wrap are secured to the bonding pads of the extension (see column 5, lines 1-7).

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As to claim 25, <u>MacPherson</u> teaches wherein the extension further comprises a plurality of interconnections formed at a second end of the extension (see column 4, lines 62-66).

As to claim 26, <u>MacPherson</u> teaches wherein a system of resistors electrically connects the bonding pads of the wrap to ink traces of the wrap (see column 4, line 51 through column 5, line 7, where the "ink traces" are also used as the "system of resistors").

As to claim 31, <u>MacPherson</u> teaches a method of forming a security enclosure (see abstract), comprising:

providing an electronic assembly having an opening therein (see figure 1, reference number 45);

inserting a first end of an. extension within the opening of the assembly (see column 5, lines 1-7);

wrapping a tamper respondent wrap at least partially around the assembly, wherein the tamper respondent wrap comprises a plurality of layers and wherein each layer of the wrap includes a plurality of electrically conductive lines or a plurality of electrically conductive ink traces (see column 4, line 51 through column 5, line 29); and

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electrically connecting a second end of the extension to the wrap (see column 5, lines 1-7).

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As to claim 33, <u>MacPherson</u> teaches wherein the extension comprises a flexible cable (see column 4, line 63 through column 5, line 7).

As to claim 35, <u>MacPherson</u> teaches wherein each layer of the wrap comprises the electrically conductive lines, and wherein the electrically conductive lines include an electrically conductive thermoplastic polymer (see column 4, lines 51-67, where "thermoplastic polymer" is read on "polyester ink").

As to claim 36, <u>MacPherson</u> teaches wherein each layer of the wrap comprises the electrically conductive lines, and wherein the electrically conductive lines include an electrically conductive thermoset polymer (see column 4, lines 51-67, where "thermoplastic polymer" is read on "polyester ink").

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 3, 17, 32, and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over MacPherson (U.S. patent No. 5,858,500) in view of <u>Burton</u> (U.S. patent No. 6,084,380).

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As to claim 3, <u>MacPherson</u> teaches a security enclosure (see abstract), comprising: an electronic assembly (see column 4, lines 24-38);

a tamper respondent wrap secured at least partially around the assembly (see column 4, line 51 through column 5, line 29).

<u>MacPherson</u> does not teach wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly.

Burton teaches a planar intelligent battery lable for the exterior surface of a standard battery pack (see abstract), in which he teaches wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly (see column 10, lines 1-14).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> to include wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> by the teachings of <u>Burton</u> because wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly would retain the folded overlapping portions in place and would conceal the lines (see MacPherson, column 5, lines 33-40).

As to claim 17, <u>MacPherson</u> does not teach wherein the wrap further includes an adhesive on an inner surface of the wrap to secure the wrap to the assembly.

Burton teaches wherein the wrap further includes an adhesive on an inner surface of the wrap to secure the wrap to the assembly (see column 10, lines 1-14).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> to include wherein the wrap further includes an adhesive on an inner surface of the wrap to secure the wrap to the assembly.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> by the teachings of <u>Burton</u> because wherein the wrap further includes an adhesive on an inner surface of the wrap to secure the wrap to the assembly would retain the folded overlapping portions in place and would conceal the lines (see <u>MacPherson</u>, column 5, lines 33-40).

As to claim 32, <u>MacPherson</u> does not teach wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly.

Burton teaches wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly (see column 10, lines 1-14).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> to include wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> by the teachings of <u>Burton</u> because wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly would retain the folded overlapping portions in place and would conceal the lines (see <u>MacPherson</u>, column 5, lines 33-40).

As to claim 34, <u>MacPherson</u> does not teach wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly.

<u>Burton</u> teaches wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly (see column 10, lines 1-14).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> to include wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified <u>MacPherson</u> by the teachings of <u>Burton</u> because wherein the tamper respondent wrap includes an adhesive inner surface that adheres the wrap to the electronic assembly would retain the folded overlapping portions in place and would conceal the lines (see <u>MacPherson</u>, column 5, lines 33-40).

Response to Arguments

6. Applicant's arguments filed on 26 March 2004 with respect to rejected claims in view of the cited references have been fully considered but they are considered moot in view of the new grounds of rejection.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob F. Betit whose telephone number is (703) 305-3735. The examiner can normally be reached on Monday through Friday 9 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (703) 305-3830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ifb

12 May 2004

SAM RIMELL PRIMARY EXAMINER